

Masturbator-belt —something like a 'construction plan'...

Well, the masturbator-belt is build before I really started to think of the necessity to make plans... As far as I know, it's the only one in existence, at least I've never seen another..

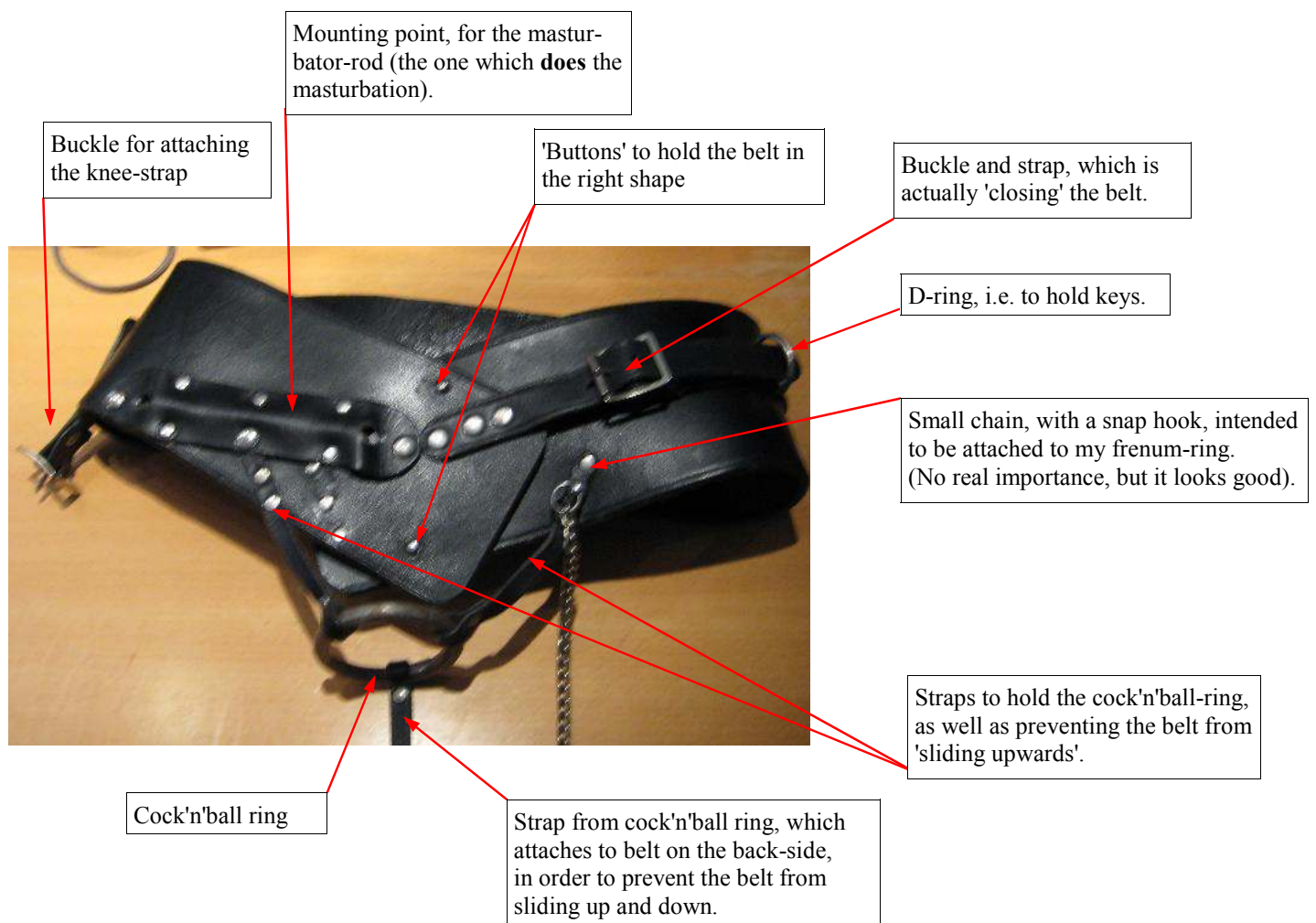
I'll try to make some additional pics for you, and try to throw in a few measures - but in it essence, the leatherwork is nothing but a waist-belt, and a knee band, connected by a strap.

Most unfortunately, the aluminium-rod, which is actually performing the masturbation has broken—as you might know when you're bending aluminium, you got but ONE chance... I guess it's been wanked a few times too many, so if you got the possibility to get the metal-work in stainless steel, I'd strongly recommend this.

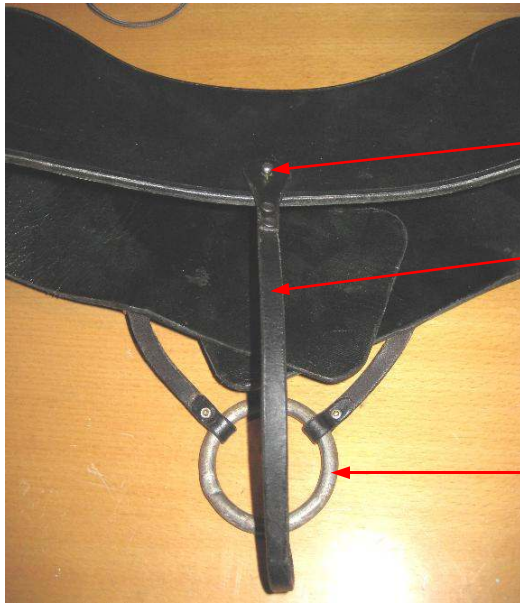
Well here we go, with a few practical details:

1. I do not like *pdf-files myself, but as I needed some format, that could run on any OS, as well as could be sent with an email (as one file), I got myself a pdf-printer from the web. It's actually a piece of software, that emulates a printer, to the computer, but instead of a piece of paper, the pdf-printer returns a pdf-file to the harddisk.
2. I'll make this file with both metric measures, as well as measures in "universal inches". You can count on my **metric** measures, but my measures in inches are "calculated" measures, using the formula $1''=25.4$ mm
I haven't that much experience in calculating the funny way that fractions of inches are usually set (1/8, 1/16, 1/32) but I'll do my best to give you something like accurate measures. In trying to achieve this, you'll have to accept, that the measurements in inches, will be in 'decimal notation' - as well as the 'usual way' - meaning that i.e. $2\frac{1}{2}''$ will also be given as $2.5''$ - as well as $17\frac{1}{16}''$ will also be given as $17.0625''$
3. For your convinience, I'll write the **metric measures in black** and the **inch-measurements in blue**.

Overview - frontside of the belt



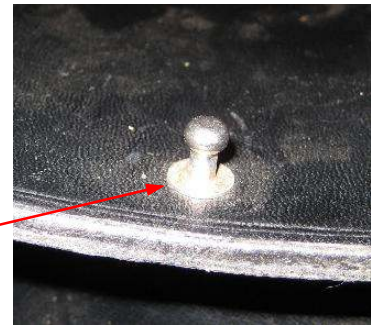
Overview - backside of the belt



Button for the strap, from the cock'n'ball ring

Strap, from the cock'n'ball ring

Cock'n'ball ring



Overview - buckleside of the knee-strap

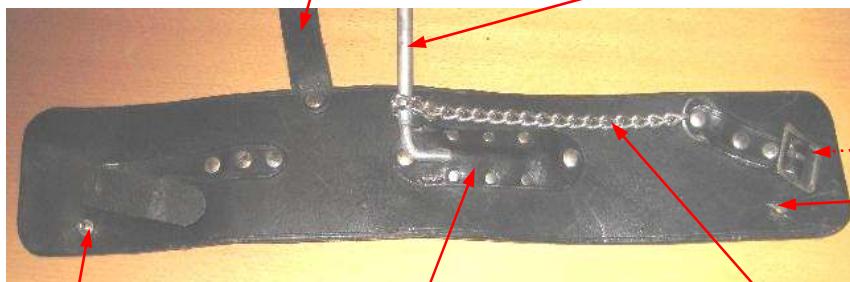


Bottom of the piston, connected to the 'masturbating ring'

Buckle and strap, closing the knee-strap

Button, to keep the knee-strap 'in shape'

Overview - pistonside of the knee-strap



Strap connected to the belt

Bottom of the piston, connected to the masturbator-ring

Button, to keep the knee-strap 'in shape'

'Mounting-pocket' for the piston-base

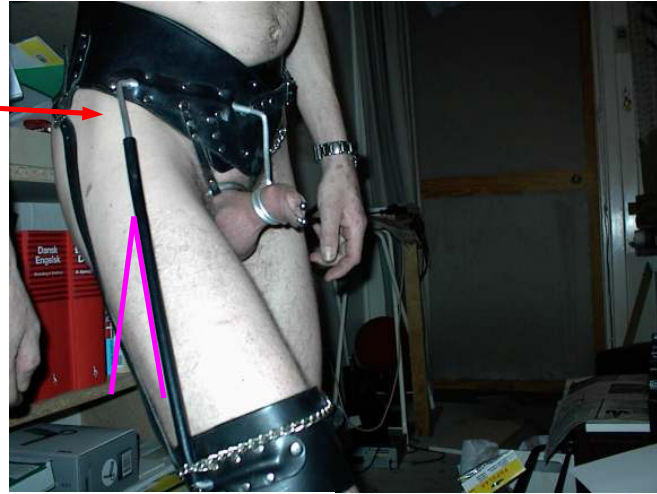
Chain, preventing the base of the piston from 'slipping out'

'Button-hole' for the button keeping the knee-strap 'in shape'

Overview - how it works



Pic 1, knee back



Pic 2, knee 'forwards'

Well, here's the tale about how the masturbatorbelt actually performs the masturbating:

If you look at the two pictures above, you'll notice, that there are two differences between the two pics.

The two (interconnected) differences are, that in pic 1 my knee is 'straight', and the masturbator-ring is at the bottom of my penis.

In pic 2, I've moved the knee somewhat forward, and the result is, that the masturbator-ring has moved 'up my shaft', and is now resting just behind my penis head.

The aluminium rod, you can see at the red arrows, is sliding up and down inside a piece of aluminium-tube, inside the black plastic hose. The piston-action allows for the change of length, which is needed, in order for me to be able to walk, wearing the masturbator belt.

The aluminium rod, with the masturbator ring, at the one end, is one rigid piece, from the ring, to the (other) end, which is inside the aluminium tube (and the black plastic hose).

This means, that if one end of the rod is moving, the other end will react in accordance with that.

Now, changign the angle between the mountingpoints on respectively the belt, and the knee strap, will inevitably change the angle at the other end of the rod (as you can see at the purple 'angle-lines').

Bottom line is, that wearing the masturbator belt either step, will result in one 'stimulation cycle', moving the masturbator ring from the base of my penis, to just below the penishead, and back again.

You can see the animation, made from the two pics above, here: <http://www.sadomechanix.dk/img231.gif>

Overview - measures

What	millimetres	inches 1	inches 2
Belt (leather) total length..!	100 x 900 mm	3 15/16" x 35 7/16"	3.94" x 35.43"
Kneestrap (leather) total length..!	85 x 455 mm	3 5/16" x 17 7/8"	3.35" x 17.91"
Strap from belt to kneestrap (leather) * ¹	22 x 445 mm	7/8" x 17 17/32"	0.87" x 17.52"
Strap closing belt * ¹	22 x 200 mm	7/8" x 7 7/8"	0.87" x 7.87"
Masturbator-ring (aluminium)(inside)	Ø 32 mm	Ø 1 7/32"	Ø 1.26"
From masturbator ring (middle) to first bend (90°) Aluminium rod	120 mm	4 11/16"	4.72"
From first bend (90°) to 2nd bend (a few degrees) Aluminium rod	40 mm	1 17/32"	1.57"
From 2nd bend (a few degrees) to 3rd bend (80°) Aluminium rod	120 mm	4 11/16"	4.72"
From 3rd bend (80°) to 4th bend (10°) Aluminium rod	110 mm	4 11/32"	4.33"
From 4th bend (10°) to end of rod (to begin with).	380 mm	15"	15.00"
Piston-tube (aluminium tube) from top to bottom at attachment point (to begin with)	310 mm	12 1/4"	12.25"
Piston tube mounting rod, from end inside piston tube, to 1st bend (90°)	40 mm	1 17/32"	1.57"

Piston tube mounting rod, from 1st bend (90°) to end inside piston-tube.	69 mm	2 23/32"	2.72"
Piston tube mounting pad/pouch (leather) on knee strap	34 x 107 mm	1 11/32" x 4 7/32"	1.34" x 4.21"
'Wanker-rod' mounting pad/pouch (leather) on belt	34 x 150 mm	1 11/32" x 5 29/32"	1.34" x 5.91"
Cock'n'ball ring diametre (inside)	Ø 50 mm	Ø 1 31/32"	Ø 1.97"
Cock'n'ball ring thickness	8 mm	9/32"	0.31"
2 straps from belt to cock'n'ball ring (front) - including leather around cock'n'ball ring	10 x 140 mm	13/32" x 5 15/32"	0.39" x 5.51"
Strap from cock'n'ball ring to backside of belt- including leather around cock'n'ball ring and 'button-strap at belt-end	10 x 310 mm	13/32" x 12 7/32"	0.39" x 12.20"
Thickness of leather (outer layer)	3 mm	3/64" (3 ounce)	0.047"
Thickness of leather (inner layer)	2 mm	1/32" (2 ounce)	0.031"
* ¹) Note that all straps are measured over the distance they cover unless otherwise stated. This means that you'll need some extra, i.e. for fastening the buckle, as well as having something to pull through the buckle, before buckling it.			
* ²) Every measure given here are the actual measures as I measure them on my masturbator belt. This belt is made in an environment counting and measuring in metrics since god was a little boy. Thus you get measures, that would probably 'look nicer' in inches, if it was build (originally) in the US.			
* ³) The measures given here are only guideines as they fit my body . As you might have noticed, I'm 6 feet tall, but have a waist measure of (only) 30 inches... this means that you'll most probably need to modify every one of them - unless you're build like I am.			

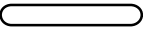
Measuring YOUR body

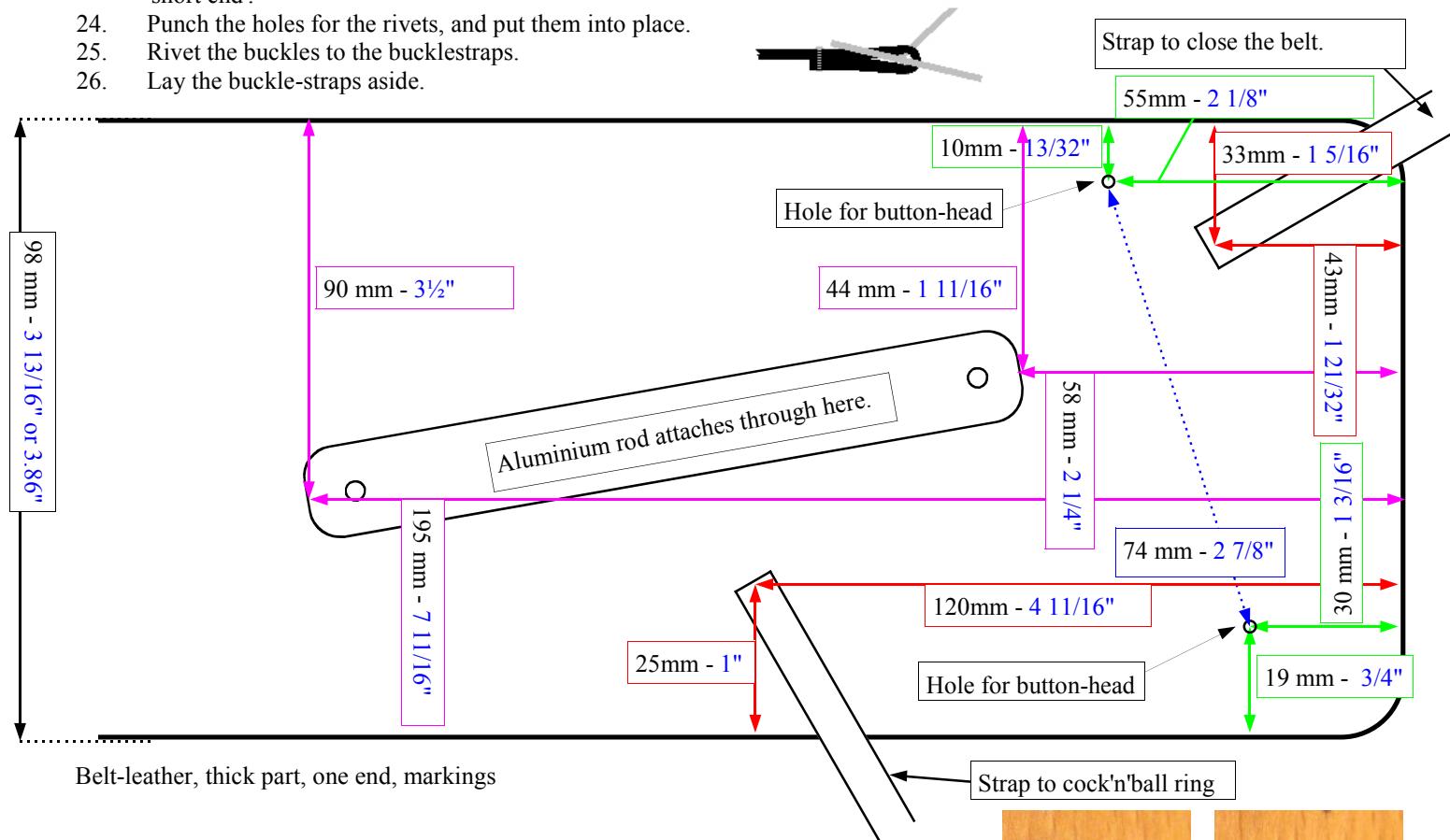
Where to measure	Name of the measure	YOUR data
Around the waist, just above the hips	waist	
From waistheight to base of penis	waist-penisbase	
From back of ballsack to waistheight (on your back)	between buttocks	
From waistheight to just above knee (at your side)	side height	
Around your leg, just above the knee	kneestrap with	
Around your cock'n'ballsack (when erect)	cock'n'ballsack circumfrence	
Arorund your erect penis-shaft	penis shaft circumfrence	
What you'll need to do with your measures	math	YOUR (modified) data
Add approximately 5½" to your waist-measure, in order to get the belt to 'overlap' nicely	waist + 5½" = belt length	
Add aproximately 1" to your waist-penisbase measure, to allow the app. 5" between the two straps, on the front-side of the belt	waist-penisbase + 1" = front strap length	
Add approximately ¾" to the 'kneestrap with' to allow for the 'overlap'.	kneestrap with + ¾" kneestrap with	
Divide your cock'n'ballsack circumfrence by 3,14 to get the diametre	cock'n'ballsack circumfrence / π = cock'n'ballsack diametre	
Divide your penis shaft circumfrence by 3,14 to get the diametre	penis shaft circumfrence / π = penis shaft diametre	

Building instructions

1. Print the pages, with your measurements, as well as your modified measurements.
2. Make sure, that you have everything needed. This may serve you as a list to find out, if you're missing something essential, but according to how you work, and what materials you've chosen, **your** checklist might differ from this one:
 - ◇ Leather in thick and thin, and enough to cut the appropriate pieces, according to your measures (remember the modifications).
 - ◇ A good sharp knife, to cut the leather.
 - ◇ A cutting-ruler (beware of your fingertips).
 - ◇ A tape-measure, if your cutting-ruler does not solve that problem, you'll need to measure at least 3 feet in one measurement.
 - ◇ A 90° angle, that you can trust.
 - ◇ A good, sharp awl/pricker.
 - ◇ A cutting-pad (or another surface which will not be harmed by the cuts).
 - ◇ Tools to treat the edges of the leather to suit your preferences.
 - ◇ Edge-coating colour, to cover the edges, if they are not in your favorite colour (you might get leather, which is not coloured all the way through the leather).
 - ◇ In case you'd like a different colour of the leather, a good leather colour. My experience is, that a good alcohol based colour will serve you well.
 - ◇ If you're going to colour, a pair of gloves i.e. disposable latex gloves.
 - ◇ Some pieces of cloth, which you'll not need afterwards.
 - ◇ A good leather-grease and/or a good leather-oil.
 - ◇ A pair of punch pliers to cut the holes needed in the skin.
 - ◇ A soft pencil (or a good leather-marker) for drawing up the cutting-lines on the **backside** of the leather.
 - ◇ 3 buckles ([7/8" wide](#))
 - ◇ Enough rivets, to assemble the whole thing. (I count 20 pcs. 11/32" - 21 pcs 1/4" measuring how wide the 'heads' are).
 - ◇ Riveting tools, to apply the rivets (i.e. a riveting-thong, or the 'hammer-and-stick' kind of tools).
 - ◇ A good and strong contact glue (and lots of it).
 - ◇ 2 pieces of aluminium- or stainless steel-pipe/rod, which can easily slide away 'inside one another'. I've used approximately 3 feet of either.
 - ◇ A piece of steel-pipe, or something like it, 10% **thinner** as your penis shaft diameter, in order to accommodate the facts that a/aluminium will 'fight back' when bending it, and b/that I expect that you'd like the masturbator-ring to **grab** your shaft.
 - ◇ A vice, if you're planning to shape the aluminium/steel yourself.
 - ◇ A piece of foam-rubber, to apply the glue (a large paintbrush will do as well, but it's ruined afterwards).
 - ◇ A fine file, to soften the edges of the aluminium/steel, after cutting it.
 - ◇ A hacksaw, to cut the aluminium/steel rod/pipe.
 - ◇ A few cold beers in the fridge, and a pack of cigarettes, or - if you're that kind of guy - a gallon of iced tea, and a handful of carrots...
3. Put the steel-pipe (or whatever) picked to form the base of your masturbator ring, in the vice, and make sure it doesn't move..!
4. Bend a 90° bend (with a sharp edge) some 2" from the end of your aluminium rod (not the tube).
5. Use the 2" with the angle, to get the aluminium rod to 'entangle' with the jaws of your vice, next to the steel pipe (or whatever you're using)
6. Get a good grip approximately one foot, from the angle, and pull the aluminium rod around the steel pipe, to shape the ring. You'll need about ½ a turn, to allow some 'cutaway'.
7. When you've gotten a good ring, on the rod, remove it (and the steel pipe) from the vice, and tighten the jaws of the vice carefully around the aluminium rod, close to the circle, so that you're grabbing onto the 90° angle, you started with.
8. Cut away the 90° angle, and as much as the rod (from this end) as you need, in order to get a nice circle (the mastur-

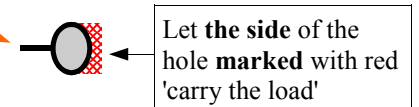
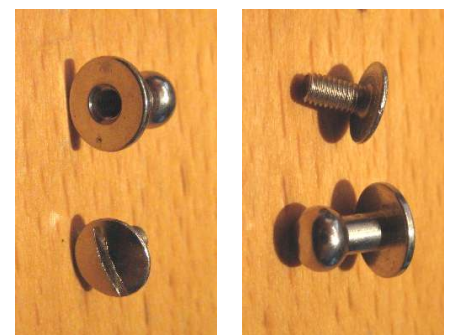
bator ring).

9. Grind away any sharp edges from the cutting.
10. Test the ring, for comfort and for 'sharp edges', on your erect penis. It should slide up and down without the use of much force, but then again, give you 'a good grip' just the same.
11. **Next, leave the metal workshop by itself, now we're taking on the leather.**
12. Measure out the pieces of leather you'll need, starting with the placement of the belt (as this is the largest piece) on both the thick and the thin leather.
13. Mark up the cuttinglines, for the belt, on the backside of the thick and the thin leather.
14. Mark up the cuttinglines for the knee strap, on the backside of the thin and the thick leather.
15. Mark up the strap, from the belt, to the knee strap, on the thick leather.
16. Mark up the remaining straps, on the thick leather (and do not forget the buckle-straps), as well as the two mounting-points for the aluminium-rod. (Consider if you'd like to use a leather-strap, instead of the chain, on the knee strap).
17. Grab a cold beer from the fridge, or have a carrot...
18. Cut out the leather, according to your markings.
19. On all the buckle-straps, mark a point 1" from the one end, in the middle of the strap.
20. On all the buckle-straps, mark another point $\frac{3}{4}$ " further down the strap, and still in the middle of the strap.
21. On all the buckle-straps, punch a hole, which will match the 'pin' of your buckle (and a tiny bit more), according to your markings in points 19 & 20.
22. On all the buckle-straps, cut in two straight lines of the holes you just punched, to form an -shaped opening, for the 'pin' in your buckles.
23. On all four buckle-straps, put the buckle'pin' through the openings, and use your pricker, to mark up where the rivet(s) are going to be, when the buckle'pin' is correctly placed. Mark up through both layers of leather at one time, watching the 'short end'.
24. Punch the holes for the rivets, and put them into place.
25. Rivet the buckles to the bucklestraps.
26. Lay the buckle-straps aside.

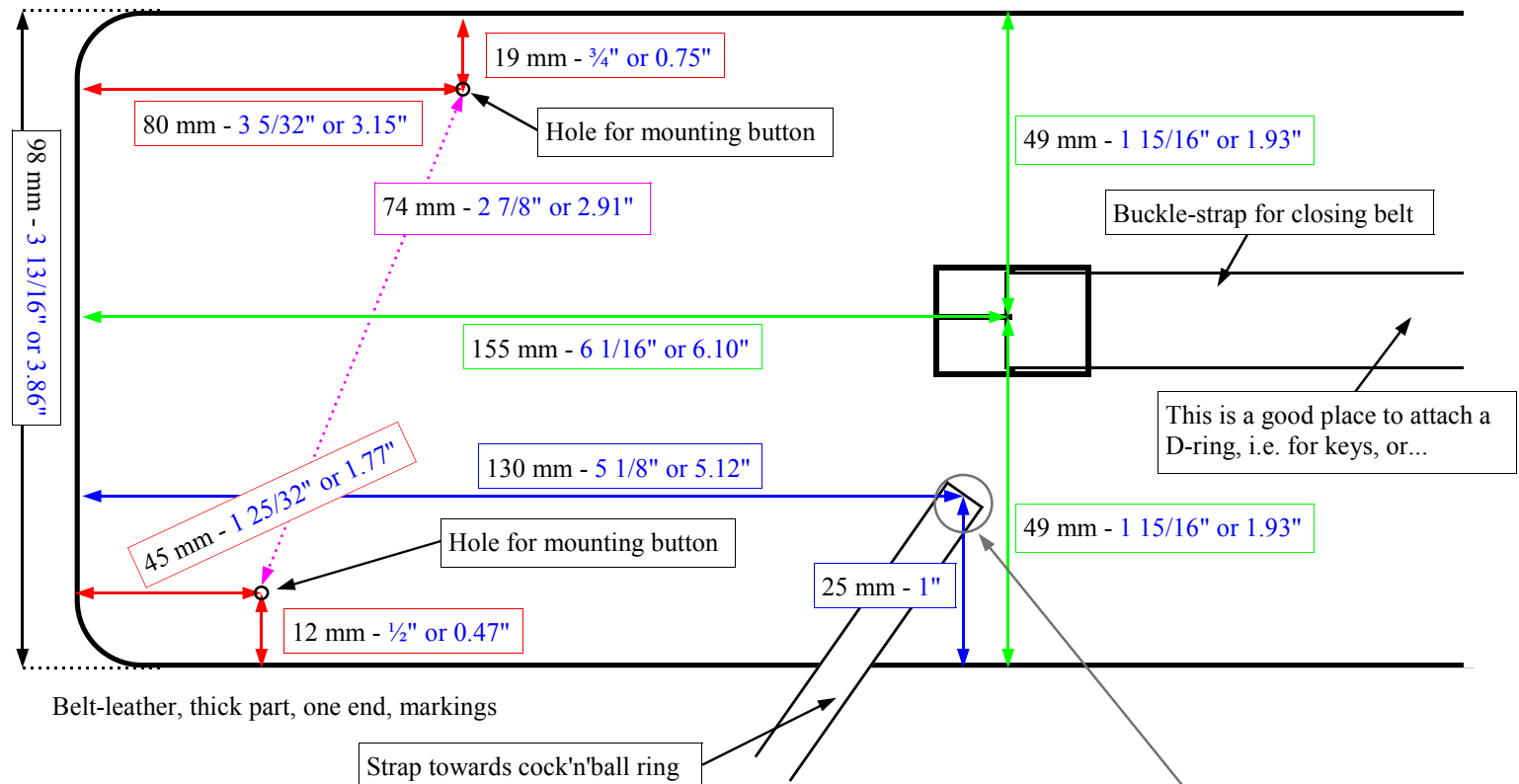


A note for the 'buttons'

Well, the buttons that I use, are the ones that you see here, to the right. They consist of two parts, which screw into one another, with the leather inbetween. The size I've used for the masturbatorbelt requires a 3 mm hole ($\frac{1}{8}$ " or 0.12") The 'top' sphere is 6 mm wide ($\frac{1}{4}$ " or 0.24") and the part where the leather 'buttoned onto' them will rest is 3,5 mm wide ($\frac{3}{32}$ " or 0.14"). The hole needed, in order to 'button onto' these, is a little special, but shape it like this: "keyhole-shape", by punching a 5 mm hole ($\frac{5}{32}$ " or 0.20"), and then cutting a short 4 mm cut in the edge ($\frac{1}{8}$ " or 0.16"), with the cut facing **away** from the side of the hole, which will be 'taking the load' wherever possible, you'll be getting a fine result.



Let **the side** of the hole **marked** with red 'carry the load'



The only measure, I haven't shown in the diagrams, are the button, to attach the strap going between the buttocks from the cock'n'ball ring. This button is placed about 1" from the bottom of the belt, where the belt cover my spine. (in the back-middle of the closed belt).

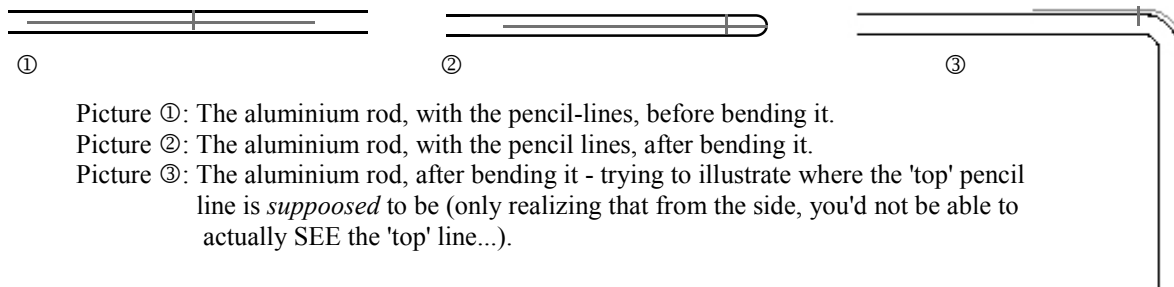
Another note on buttons:
 I succeeded in findin this 'special' button, which is mounted exactly like the other ones. The speciality is the ring, which is attached through the 'head'. I use this special button, to attach the chain, with the snap lock, that I attach to my frenum piercing ring. The ring can (carefully) be opened with a pair of locking-ring tongs, upon which you can attach the chain.



27. Screw all the buttons in place (and consider to add a button-mount to the strap, from the right side of the belt, to the cock'n'ball ring, using the same technique, as on the strap between the buttocks. This will ease the 'putting the belt on').
28. Having marked and punched all the holes, rivet the different straps (and others) through the thick layers of skin. On the belt, as well on the knee strap.
29. Apply glue, to the two parts of skin, for the knee strap (the thick and the thin piece).
30. Now, there are two different approaches to gluing them together.
 - ◇ wait untill the glue is dry, and does not stick to your finger, when you touch it lightly. OR
 - ◇ Start gluing them together just before the glue dries completely. This approach will let you adjust a little, as the two layers of leather is not instantly bound together, as is if the glue has dried completely.
31. When gluing the two layers together, make sure, that you 'shape' the result in the process. This is done by bending the two layers, while attaching them to one another. If you let them lay 'flat on the table' while gluing them, you'll end up with a lot of 'wrinkles' on the inside of the knee-strap.
32. When the glue has attached the two halves of the knee strap together, carefully cut away the tiny bit of the thin leather, 'sticking out' at the end of the thick leather.
 The reason that you're getting this small 'surplus' is, that the circle formed by the thin leather (on the inside of the thick leather) is slightly smaller, than the circle formed by the thick leather.
33. Next you repeat the process, with the belt - in exactly the same way, as for the knee strap, points 29-32.
34. If you want to / need to i.e. colour the edges, this is now.
35. Complete the leather work, by treating the edges of the leather (everywhere) according to your preferences, i.e. by cutting them with an appropriate tool, or by making them wet, upon which you rub them into shape i.e. with a piece of hard plastic.
36. Having finished treating the edges (and no sooner than this), you grab your leather grease, and start rubbing the grease into the leather, using your bare hands.
 Lots can be said of the benefit of i.e. disposable gloves, in this process, but my experience is, that something happens with the leather and the grease, when using bare hands. At least the result is not to be discussed with.
37. Clean away the excess grease, and leave the leather to rest over night.
38. **Next morning**, get the piston-pipe and -rod.
39. Now, put on the belt, including the cock'n'ball ring, and pull the maturbator ring over your (semi)erect penis (with the rod pointing upwards).
40. Grab a soft pencil, and mark where the (approximately) 90° bend is supposed to be, at the end of the leather-mounting point.



41. Make the appropriate bend to the rod, and remember that if you're using aluminium, you can bend it **one** way **one** time..! -otherwise you'll break the aluminium.
42. Pull the rod, with the masturbator-ring on it through the mounting point, on the belt, as illustrated with the pencil above. (and make sure, that it's the right way through), and make sure, that the masturbator ring fits exactly on your penis..
43. Now, take great care to do this right, in a moment there'll be no way back...
44. Put on the knee strap, and place the mounting point for the other half of the piston on the side of your leg, closest to the back of your leg.
45. Stand 'at full military attention', and place the masturbator ring $\frac{1}{2}$ " from the base of your penis - *and keep it there.*
46. Draw a clearly visible pencil line **exactly** at the topside of the rod, where it comes out of the leather, and another one, to mark where the rod leaves the leather, with the ring around your penis.
Your accuracy is paramount in this procedure..!
The line is your guideline, for the next bend, and you should see, that if you make an approximately 90° bend with the line exactly in the middle of the bend rod, the end of the rod (which will then be pointing downwards) will miss the knee strap by a few inches. This is intentional. (I'll be getting back to this).



Picture ①: The aluminium rod, with the pencil-lines, before bending it.

Picture ②: The aluminium rod, with the pencil lines, after bending it.

Picture ③: The aluminium rod, after bending it - trying to illustrate where the 'top' pencil line is *supposed* to be (only realizing that from the side, you'd not be able to actually SEE the 'top' line...).

47. Take off the belt, but leave the aluminium rod in place.
48. Having the belt on a sturdy table, place it so, that the masturbator ring is 'hanging down' over the one side of the table, and adjust the rod into position, so that the 'top' line is upwards, and the other marking is a fraction of an inch from the edge of the table (but over the table).
49. Having gotten this into place, you bend the rod, over the edge of the table.
(By now, the rod will be stuck in the leather, and cannot be either inserted into the mounting-piece, or removed from it anymore...).
50. Put the belt back on (as well as the knee strap, in case you removed it).
51. Standing 'at full attention' again, with the masturbator ring around your penis, approximately $\frac{1}{2}$ " from the base, grab the rod, some 4" below the bend you just made, and make a soft bend, in order to make the rod pass by the end of the mounting point at the knee strap (without moving the ring, on your penis). This is the reason why the rod should 'miss' the kneestrap earlier. This bend will keep the piston-action away from your body.
52. Mark the rod, with the pencil, $\frac{2}{3}$ down, between the 90° bend, and the knee strap mounting point.
53. Take the belt, and the knee strap off again.
54. Cut the rod, according to your marking, and grind away any sharp edges.
55. Take the remaining part of the rod, and make a mark 40 mm ($1 \frac{17}{32}$ " or 1.57") from the end.
56. Put the rod in your vise, so that the mark is a fraction of an inch outside the jaws.
57. Make a 90° bend, at the mark, and in case you've marked from the 'cut end', grind away any sharp edges
58. Make a mark 69 mm ($2 \frac{23}{32}$ " or 2.72") from the bend you just made, and cut the rod here.
59. Grind away any sharp edges.
60. Put the piston-tube over **this end** of the rod. According to your tools and qualifications, secure the rod inside the pipe, i.e. by soldering / welding / gluing it in place - or use the simple way to do it. Place the tube, with the rod inside it, on top of a sturdy place (an anvil if you got one), and give it a few hits with a good hammer. This will make the aluminium deform, so that it will stay there for (almost) ever.
61. Put the belt and the knee strap back on, and insert the piston tube into the mounting, at the kneestrap.

62. Move the leg with the knee strap backwards, as far as it will be moving backwards when taking a good step.
63. Mark where the rod end (intended to go inside the tube) is, at the tube, when they are aligned (a pencil will do the job).
64. Move your (knee strapped) leg forwards, as far forwards, as it would go, when taking a good step.
65. Align the tube and the rod, and mark at the end of the rod again (on the tube).
66. Keeping this position, make a mark, **on the tube** ½" under the soft bend, on the rod.
67. Take off the belt, and the knee strap again.
68. Find out, if there's enough room inside the tube, to allow the end of the rod to be moving up and down *inside* the tube - you might 'get in touch' with the rod, used to mount the tube to the knee strap, and if so, you can be forced to shorten the rod a little.
69. Assuming that there are no problems, cut the tube, at the mark you made in point 66 (and make sure, that this mark is at least 2" above any of the other, when holding the tube, with the angled rod downwards).
70. Grind any sharp edges away on the tube inside as well as outside.

Congratulations...

You are now the (hopefully happy) owner of a genuine Sadomechanix D.I.Y masturbator belt!

If I were you, I'd probably put on the belt, upon which I'd go and grab a cold beer from the fridge...

Remember that you'll most probably find more interesting stuff at <http://www.sadomechanix.dk>

Happy wanking. *S*

Lars Bech Nygaard